

INTERNATIONAL SEARCH REPORT

International application No. PCT/SE 2003/001670

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: F02D 13/02, F02D 15/04, F02D 17/00
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: F02D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 0028198 A1 (AB VOLVO), 18 May 2000 (18.05.2000), abstract --	
A	US 5377631 A (SCHECHTER), 3 January 1995 (03.01.1995), abstract --	
A	WO 9942718 A1 (CUMMINS ENGINE COMPANY, INC.), 26 August 1999 (26.08.1999), abstract -----	

Further documents are listed in the continuation of Box C.

See patent family annex.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search 16 January 2004	Date of mailing of the international search report 06 -02- 2004
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Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. + 46 8 666 02 86	Authorized officer Dan Ionesco / JA A Telephone No. + 46 8 782 25 00
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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/SE 2003/001670

01/12/2003

WO	0028198	A1	18/05/2000	EP	1133626	A	19/09/2001
				JP	2002529651	T	10/09/2002
				SE	521783	C	09/12/2003
				SE	9803666	A	27/04/2000
				US	6581551	B	24/06/2003

US	5377631	A	03/01/1995	NONE
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WO	9942718	A1	26/08/1999	BR	9904839	A	18/07/2000
				CN	1263583	T	16/08/2000
				EP	0983433	A	08/03/2000
				JP	3421059	B	30/06/2003
				JP	2000513788	T	17/10/2000
				JP	2001020784	A	23/01/2001
				US	6276334	B	21/08/2001
				US	6542759	B	01/04/2003

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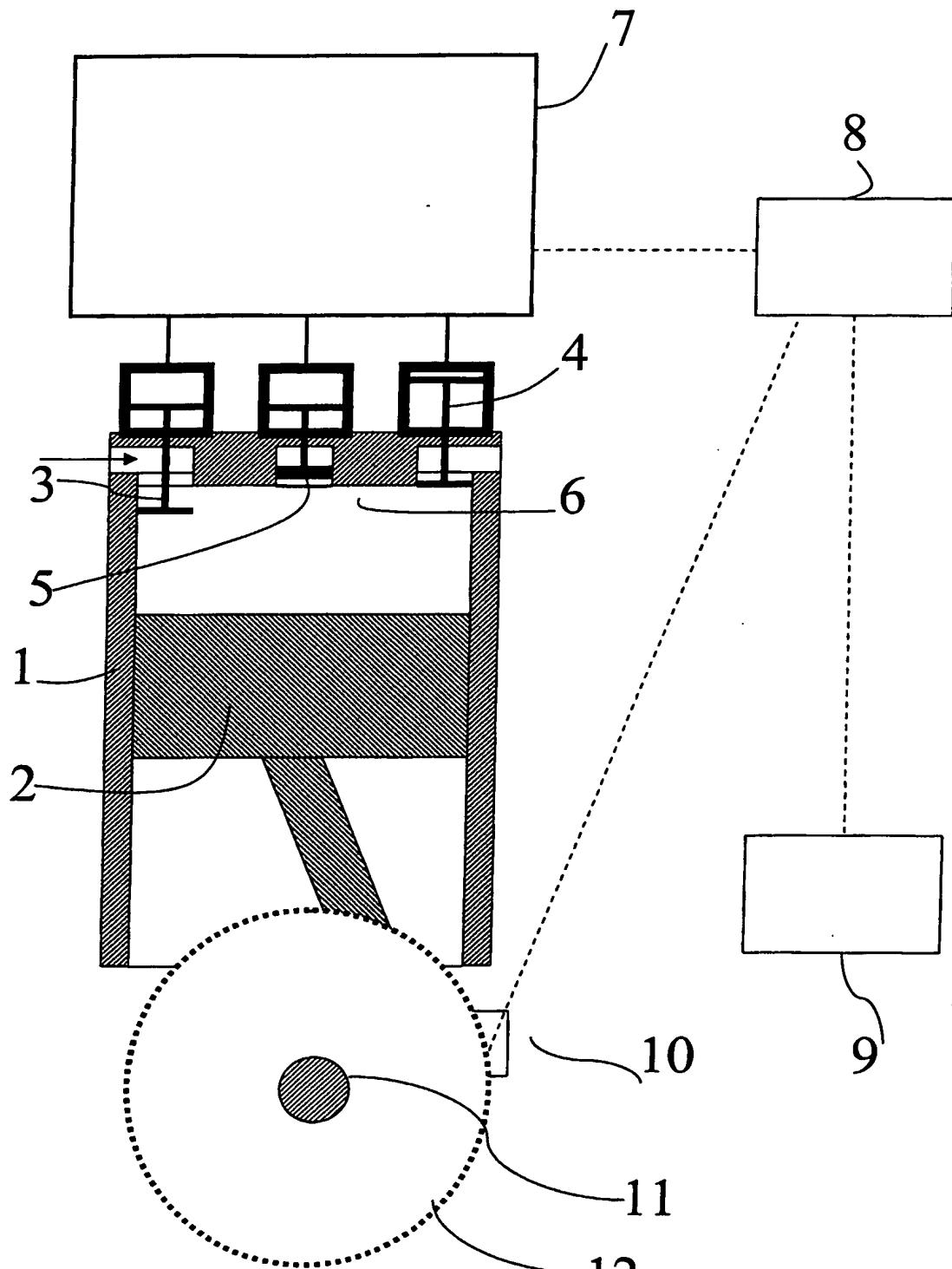


Fig 1